

## Bio-Mulchmat



### Advantages

- φ The 100% biodegradable weed control mat avoids the use of synthetic mats or herbicides.
- φ Blocks the growth of weeds during 3 years and more; fully degrades into compost for plants at end of life time (OK compost certificate)
- φ Allow solar radiation to raise and maintain the soil temperature for fast growth.
- φ Is permeable and helps retain the moisture in the soil
- φ Avoids nitrogen sink effect experienced with bark mulches.
- φ No need for aesthetic coverings, topping up or frequent visits.
- φ Is flame retardant (passes cigarette test) in case of 100% bio-polymer
- φ Has an excellent UV-stability
- φ Low installation and maintenance costs.
- φ Is logistic friendly, light and easy to cut



### Product

- φ Nonwoven mat made of 100% bio-polymer or a combination of bio-polymer and natural fiber
- φ This bio-polymer is 100% biodegradable and compostable
- φ Based on 100% renewable resources
- φ Wind generated energy is used in manufacturing (+/-50%)
- φ This product and similar biomats have been selected by the European Life+ program

### Description

Where landscape planting is required, particularly on slopes, Mulchmats provide mulching, moisture control, non-chemical weed control, soil erosion protection and soil temperature balance in one single operation. Nursery like conditions can be achieved easily and by environmentally friendly means. Mulchmats enhance growth without the need for further mulching, chemicals or large scale maintenance.

Mulchmats provide weed control and mulching for at least 3 years.

Matting is available in rolls or squares. Steel pins, plastic and timber pegs are normally used to fix matting to the ground or slope.



## Specification

Weight: 157 g/m<sup>2</sup>  
Colour: Brown  
Composition: 95 % Biofibres (PLA) + 5% Hemp

### Mechanical Characteristics Norm Value Tolerance

Weight: EN ISO 9864 157 g/m<sup>2</sup> + 10%  
Thickness: EN ISO 9863-1 0.9 mm - 0.3 mm  
Tensile strength (MD) EN ISO 10319 1.5 kN/m - 0.5 kN/m  
Elongation (MD) EN ISO 10319 > 40 % - 10%  
Tensile strength (CD) EN ISO 10319 1.5 kN/m - 0.5 kN/m  
Elongation (CD) EN ISO 10319 > 40 % - 10%  
Fire resistance: Ignitability by smouldering cigarette EN ISO 12952-1/2 succeeded

### Roll dimensions Value Tolerance

Length: 50 - 100 lm +/- 3%  
Width: 2 m +/- 1%  
Core diameter (outside/inside) 145/110 mm  
Roll diameter 360mm  
Other dimensions and mother rolls available on request

### Storage conditions

Life time is strongly dependent on storage conditions before installation. Before installation, product should be stored in dry conditions and out of direct sunlight. Re-commended shelf life before installation: max one season Under these circumstances, a minimum life time of 3 years (after installation) is expected.